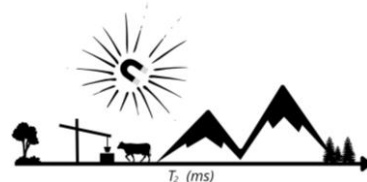


## Alpine NMR Workshop on recent advances in NMR methods

Mátrafüred, 14-17. September 2023

<b>Thursday 14<sup>th</sup> of September</b>			
from 14:00	Arrival		
17:30 – 18:30	Dinner		
20:00 – 20:35	<b>1<sup>st</sup> Lecture Session: Welcome</b>		
20:00 – 20:10	Opening: Prof. Dr. István Bányai		
20:10 – 20:35	Prof. Dr. István Bányai	<i>Relaxometry of Human Skin</i>	HU

<b>Friday 15<sup>th</sup> of September</b>			
8:00 – 9:30	Breakfast		
<b>9:30 – 12: 15</b>	<b>2<sup>nd</sup> Lecture Session: Applications, porous materials and else</b>		
9:30 – 9:55	Prof. Dr. Janez Stepišnik	<i>Polymer dynamics in glycerol/water mixture</i>	SI
9:55 - 10:20	Dr. Bulat Gizatullin	<i>Dynamics on the surface via electron and nuclear spin probes</i>	DE
10:20 – 10:45	Dávid Nyul	<i>Quadrupolar relaxation measurements for better understanding of alkali metal ions on surface</i>	HU
10:45 – 11:00	Break		
11:00 – 11:25	Kevin Lindt	<i><sup>1</sup>H and <sup>2</sup>H NMR relaxation in linear and annular polyethylene oxide melts</i>	DE
11:25 – 11:50	Prof. Dr. Ioan Ardelean	<i>Pore size characterization of cement-based materials during hydration via diffusion in internal gradients</i>	RO
11:50 – 12:15	Dr. Carlos Mattea	<i>Evaporation process in porous media studied with Single-Sided NMR Scanner</i>	DE
12:30 – 14:00	Lunch		
14:00 – 17:30	Trips, Free program		
17:30 – 18:30	Dinner		
19:00 - 21:05	<b>3<sup>rd</sup> Lecture Session</b>		
19:00 – 19:25	Dr. Zsolt Baranyai	<i>Acid, base and autocatalyzed proton exchange as an additional route to enhance the relaxivity of paramagnetic MRI contrast agents - Online</i>	HU



More holes, more materials			
19:25 – 19:50	Dr. Siegfried Stapf	<i>NMR of porous media: more holes, more liquids, more models</i>	DE
19:50 – 20:15	Dr. Mihai M Rusu	<i>Is this mortar good for 3D printing?</i>	RO
20:15 – 20:40	Vanda Papp	<i>What can leach out of the cements that bind radioactive waste? - a model study</i>	HU
20:40 – 21:05	Dr. Mónika Kéri	<i>Carbon aerogels: morphology, surface properties</i>	HU

<b>Saturday 16<sup>th</sup> of September</b>			
8:00 – 9:30	Breakfast		
<b>9:30 – 12:15</b>	<b>4<sup>th</sup> Lecture Session: MRI, applications, skin</b>		
9:30 – 9:55	Prof. Dr. Igor Serša	<i>Electric Current Detection Based on the MR Signal Magnitude Decay</i>	SI
9:55 – 10:20	Kaja Tušar	<i>MRI with Unconventional Spatial Encodings Using Coils with Symmetric Design</i>	SI
10:20 – 10:45	Dr. Levente Novák	<i>Macromolecules' relaxometry and else</i>	HU
10:45 – 11:00	Break		
11:00 – 11:25	Rebeka Viltužnik	<i>CT and MR characterisation of thrombi</i>	SI
11:25 – 11:50	Urša Mikac	<i>Magnetic resonance in pharmacy</i>	SI
11:50 – 12:15	Rok Peklar	<i>MRI and Empirical Modeling of Lithium Dendrites</i>	SI
12:30 – 14:00	Lunch		
14:00 – 19:30	Trips, Free program		
19:30 – 22:00	Closing group dinner		

<b>Sunday 17<sup>th</sup> of September</b>	
8:00 – 9:30	Breakfast
until 10:00	Leaving